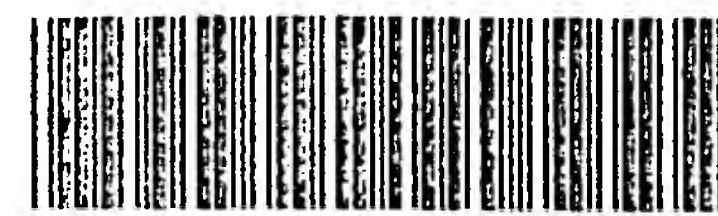


## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/709,577B  
Source: 1Fwo  
Date Processed by STIC: 9/9/05

***ENTERED***



1FWO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005

TIME: 22:21:21

Input Set : N:\DA\10709577B

Output Set: N:\CRF4\09092005\J709577B.raw

Examiner:  
 Due to its size, this  
 file has not been  
 transferred into the  
 search  
 System.

pp 6-7  
 Please contact  
 Mark Spencer,  
 STC, at 2-2510  
 before requesting

17 a  
 search,

3 <110> APPLICANT: ROSETTA GENOMICS LTD  
 4       Bentwich, Itzhak  
 5       Daniel, Kfar  
 7 <120> TITLE OF INVENTION: SMALL MOLECULES MODULATING ACTIVITY OF MICRO RNA  
 8       OLIGONULEOTIDES AND MICRO RNA TARGETS AND USES THEREOF  
 10 <130> FILE REFERENCE: 06087.0202.CPUS02  
 12 <140> CURRENT APPLICATION NUMBER: 10/709,577B  
 13 <141> CURRENT FILING DATE: 2004-05-14  
 15 <160> NUMBER OF SEQ ID NOS: 10068177  
 17 <170> SOFTWARE: PatentIn version 3.3  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 17  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Homo sapiens  
 24 <400> SEQUENCE: 1  
 25 ggcgcctgtgc ctcctaa  
 28 <210> SEQ ID NO: 2  
 29 <211> LENGTH: 22  
 30 <212> TYPE: DNA  
 31 <213> ORGANISM: Homo sapiens  
 33 <400> SEQUENCE: 2  
 34 gctcccaactg ctgtcctgccc at  
 37 <210> SEQ ID NO: 3  
 38 <211> LENGTH: 22  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Homo sapiens  
 42 <400> SEQUENCE: 3  
 43 gctgcacttc agcctgggtg tc  
 46 <210> SEQ ID NO: 4  
 47 <211> LENGTH: 22  
 48 <212> TYPE: DNA  
 49 <213> ORGANISM: Homo sapiens  
 51 <400> SEQUENCE: 4  
 52 gctggctcca cctgctgcca gg  
 55 <210> SEQ ID NO: 5  
 56 <211> LENGTH: 21  
 57 <212> TYPE: DNA  
 58 <213> ORGANISM: Homo sapiens  
 60 <400> SEQUENCE: 5  
 61 ggaatgggtgg ttgtatggtt g  
 64 <210> SEQ ID NO: 6  
 65 <211> LENGTH: 23  
 66 <212> TYPE: DNA

22

22

22

21

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005  
 TIME: 22:21:21

Input Set : N:\DA\10709577B  
 Output Set: N:\CRF4\09092005\J709577B.raw

```

67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 6
70 ggccaagtgg atgctggttt agc
73 <210> SEQ ID NO: 7
74 <211> LENGTH: 22
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 7
79 ggccgggtgc tctggaggtg ct
82 <210> SEQ ID NO: 8
83 <211> LENGTH: 22
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 8
88 ggccgtggtc gctgactctc gt
91 <210> SEQ ID NO: 9
92 <211> LENGTH: 22
93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 9
97 ggctggtag atttgtggtc tt
100 <210> SEQ ID NO: 10
101 <211> LENGTH: 22
102 <212> TYPE: DNA
103 <213> ORGANISM: Homo sapiens
105 <400> SEQUENCE: 10
106 gggaaataat taatgtgaag tc
109 <210> SEQ ID NO: 11
110 <211> LENGTH: 22
111 <212> TYPE: DNA
112 <213> ORGANISM: Homo sapiens
114 <400> SEQUENCE: 11
115 gggAACGCG ctggcccgcg cc
118 <210> SEQ ID NO: 12
119 <211> LENGTH: 19
120 <212> TYPE: DNA
121 <213> ORGANISM: Homo sapiens
123 <400> SEQUENCE: 12
124 gggTCTCTGT tggcttctt
127 <210> SEQ ID NO: 13
128 <211> LENGTH: 22
129 <212> TYPE: DNA
130 <213> ORGANISM: Homo sapiens
132 <400> SEQUENCE: 13
133 gggTTACTCT gtgttggtca gg
136 <210> SEQ ID NO: 14
137 <211> LENGTH: 22
138 <212> TYPE: DNA
139 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005  
TIME: 22:21:21

Input Set : N:\DA\10709577B  
Output Set: N:\CRF4\09092005\J709577B.raw

```

141 <400> SEQUENCE: 14
142 ggtggccctt gggagatgtt gg
145 <210> SEQ ID NO: 15
146 <211> LENGTH: 22
147 <212> TYPE: DNA
148 <213> ORGANISM: Homo sapiens
150 <400> SEQUENCE: 15
151 gtcagtcattt gaatgttgtt ct
154 <210> SEQ ID NO: 16
155 <211> LENGTH: 22
156 <212> TYPE: DNA
157 <213> ORGANISM: Homo sapiens
159 <400> SEQUENCE: 16
160 gtgcggcctt gccttcaagt gg
163 <210> SEQ ID NO: 17
164 <211> LENGTH: 22
165 <212> TYPE: DNA
166 <213> ORGANISM: Homo sapiens
168 <400> SEQUENCE: 17
169 gtgcttaaag aatggctgtt cg
172 <210> SEQ ID NO: 18
173 <211> LENGTH: 19
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapiens
177 <400> SEQUENCE: 18
178 gtttctctgg gcttggcat
181 <210> SEQ ID NO: 19
182 <211> LENGTH: 20
183 <212> TYPE: DNA
184 <213> ORGANISM: Homo sapiens
186 <400> SEQUENCE: 19
187 tagcatggctt ctatggaaaca
190 <210> SEQ ID NO: 20
191 <211> LENGTH: 22
192 <212> TYPE: DNA
193 <213> ORGANISM: Homo sapiens
195 <400> SEQUENCE: 20
196 taggtatggc ttgtggcaca gc
199 <210> SEQ ID NO: 21
200 <211> LENGTH: 22
201 <212> TYPE: DNA
202 <213> ORGANISM: Homo sapiens
204 <400> SEQUENCE: 21
205 tattcattgc ccatgtttgtt ga
208 <210> SEQ ID NO: 22
209 <211> LENGTH: 22
210 <212> TYPE: DNA
211 <213> ORGANISM: Homo sapiens
213 <400> SEQUENCE: 22

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005

TIME: 22:21:21

Input Set : N:\DA\10709577B  
 Output Set: N:\CRF4\09092005\J709577B.raw

```

214 tcactgcaac ctccacccctc ag          22
217 <210> SEQ ID NO: 23
218 <211> LENGTH: 22
219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 23

223 tccagctgtc cacgtttcc tg          22
226 <210> SEQ ID NO: 24
227 <211> LENGTH: 23
228 <212> TYPE: DNA
229 <213> ORGANISM: Homo sapiens
231 <400> SEQUENCE: 24

232 tccaggccct caatccattt cca         23
235 <210> SEQ ID NO: 25
236 <211> LENGTH: 22
237 <212> TYPE: DNA
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 25

241 tcccagctcc tggggcccac ag          22
244 <210> SEQ ID NO: 26
245 <211> LENGTH: 22
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapiens
249 <400> SEQUENCE: 26

250 tccttcctct gtcaggcagg cc          22
253 <210> SEQ ID NO: 27
254 <211> LENGTH: 22
255 <212> TYPE: DNA
256 <213> ORGANISM: Homo sapiens
258 <400> SEQUENCE: 27

259 tcgctcaggc aggagtgcag tg          22
262 <210> SEQ ID NO: 28
263 <211> LENGTH: 22
264 <212> TYPE: DNA
265 <213> ORGANISM: Homo sapiens
267 <400> SEQUENCE: 28

268 tctttcgct ggcctcggtt ga          22
271 <210> SEQ ID NO: 29
272 <211> LENGTH: 22
273 <212> TYPE: DNA
274 <213> ORGANISM: Homo sapiens
276 <400> SEQUENCE: 29

277 tgacctcctt tctcgactaa tt          22
280 <210> SEQ ID NO: 30
281 <211> LENGTH: 22
282 <212> TYPE: DNA
283 <213> ORGANISM: Homo sapiens
285 <400> SEQUENCE: 30

286 tgcgttcgtt atctacccgc ct          22

```

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005

TIME: 22:21:21

Input Set : N:\DA\10709577B

Output Set: N:\CRF4\09092005\J709577B.raw

289 <210> SEQ ID NO: 31  
 290 <211> LENGTH: 22  
 291 <212> TYPE: DNA  
 292 <213> ORGANISM: Homo sapiens  
 294 <400> SEQUENCE: 31  
 295 tgccttaggtc tggcctcctt gg 22  
 298 <210> SEQ ID NO: 32  
 299 <211> LENGTH: 22  
 300 <212> TYPE: DNA  
 301 <213> ORGANISM: Homo sapiens  
 303 <400> SEQUENCE: 32  
 304 tgcctggcct cctgattccc tc 22  
 307 <210> SEQ ID NO: 33  
 308 <211> LENGTH: 22  
 309 <212> TYPE: DNA  
 310 <213> ORGANISM: Homo sapiens  
 312 <400> SEQUENCE: 33  
 313 tgcctggcct ctgcagcact tc 22  
 316 <210> SEQ ID NO: 34  
 317 <211> LENGTH: 22  
 318 <212> TYPE: DNA  
 319 <213> ORGANISM: Homo sapiens  
 321 <400> SEQUENCE: 34  
 322 tgcttgctgt gggtggctgg ta 22  
 325 <210> SEQ ID NO: 35  
 326 <211> LENGTH: 19  
 327 <212> TYPE: DNA  
 328 <213> ORGANISM: Homo sapiens  
 330 <400> SEQUENCE: 35  
 331 tggagctggg tctggggca 19  
 334 <210> SEQ ID NO: 36  
 335 <211> LENGTH: 18  
 336 <212> TYPE: DNA  
 337 <213> ORGANISM: Homo sapiens  
 339 <400> SEQUENCE: 36  
 340 tggtaggttg ggcagttc 18  
 343 <210> SEQ ID NO: 37  
 344 <211> LENGTH: 22  
 345 <212> TYPE: DNA  
 346 <213> ORGANISM: Homo sapiens  
 348 <400> SEQUENCE: 37  
 349 tggttccct tttggcctct cc 22  
 352 <210> SEQ ID NO: 38  
 353 <211> LENGTH: 22  
 354 <212> TYPE: DNA  
 355 <213> ORGANISM: Homo sapiens  
 357 <400> SEQUENCE: 38  
 358 ttcaagtgtt taagttctgc tt 22  
 361 <210> SEQ ID NO: 39

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005  
TIME: 22:21:22

Input Set : N:\DA\10709577B  
Output Set: N:\CRF4\09092005\J709577B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1979290; N Pos. 13  
Seq#:1979552; N Pos. 6  
Seq#:2009808; N Pos. 14  
Seq#:2037773; N Pos. 10  
Seq#:2046522; N Pos. 10  
Seq#:2048956; N Pos. 6,13  
Seq#:2074673; N Pos. 5,12  
Seq#:2086073; N Pos. 4,11  
Seq#:2091565; N Pos. 7  
Seq#:2097277; N Pos. 9  
Seq#:2117507; N Pos. 7,14  
Seq#:2386221; N Pos. 7,14  
Seq#:2386849; N Pos. 9  
Seq#:2388855; N Pos. 7  
Seq#:2389253; N Pos. 10  
Seq#:2389513; N Pos. 6,13  
Seq#:2389571; N Pos. 5,12  
Seq#:2389869; N Pos. 4,11  
Seq#:2390556; N Pos. 14  
Seq#:2390758; N Pos. 13  
Seq#:2390808; N Pos. 6  
Seq#:2390988; N Pos. 10  
Seq#:2703607; N Pos. 6  
Seq#:2705297; N Pos. 10  
Seq#:2705298; N Pos. 10  
Seq#:2717477; N Pos. 14  
Seq#:2720693; N Pos. 7,14  
Seq#:2721503; N Pos. 9  
Seq#:2721971; N Pos. 4,11  
Seq#:2725260; N Pos. 7  
Seq#:2727513; N Pos. 13  
Seq#:2729110; N Pos. 6,13  
Seq#:2740193; N Pos. 5,12  
Seq#:2768229; N Pos. 6,13  
Seq#:2769755; N Pos. 14  
Seq#:2787109; N Pos. 13  
Seq#:2802493; N Pos. 10  
Seq#:2806661; N Pos. 6  
Seq#:2807676; N Pos. 9  
Seq#:2808860; N Pos. 10  
Seq#:2810933; N Pos. 5,12  
Seq#:2832366; N Pos. 7  
Seq#:2848705; N Pos. 4,11  
Seq#:2852806; N Pos. 7,14

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005  
TIME: 22:21:22

Input Set : N:\DA\10709577B  
Output Set: N:\CRF4\09092005\J709577B.raw

Seq#:3859019; N Pos. 6  
Seq#:3887440; N Pos. 10  
Seq#:3902900; N Pos. 9  
Seq#:3907517; N Pos. 10  
Seq#:3911848; N Pos. 4,11  
Seq#:3921397; N Pos. 6,13  
Seq#:3926739; N Pos. 13

VERIFICATION SUMMARY  
PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005  
TIME: 22:21:22

Input Set : N:\DA\10709577B  
Output Set: N:\CRF4\09092005\J709577B.raw

L:17813632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1979290 after pos.:0  
 L:17815996 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1979552 after pos.:0  
 L:18088306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2009808 after pos.:0  
 L:18339997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2037773 after pos.:0  
 L:18418744 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2046522 after pos.:0  
 L:18440661 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2048956 after pos.:0  
 L:18672125 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2074673 after pos.:0  
 L:18774736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2086073 after pos.:0  
 L:18824170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2091565 after pos.:0  
 L:18875584 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2097277 after pos.:0  
 L:19057665 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2117507 after pos.:0  
 L:21476102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2386221 after pos.:0  
 L:21481760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2386849 after pos.:0  
 L:21499820 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2388855 after pos.:0  
 L:21503408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2389253 after pos.:0  
 L:21505759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2389513 after pos.:0  
 L:21506292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2389571 after pos.:0  
 L:21508985 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2389869 after pos.:0  
 L:21515174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2390556 after pos.:0  
 L:21516998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2390758 after pos.:0  
 L:21517454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2390808 after pos.:0  
 L:21519080 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2390988 after pos.:0  
 L:24332657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2703607 after pos.:0  
 L:24347873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2705297 after pos.:0  
 L:24347888 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2705298 after pos.:0  
 L:24457505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2717477 after pos.:0  
 L:24486460 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2720693 after pos.:0  
 L:24493756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2721503 after pos.:0  
 L:24497979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2721971 after pos.:0  
 L:24527586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2725260 after pos.:0  
 L:24547869 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2727513 after pos.:0  
 L:24562253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2729110 after pos.:0  
 L:24662011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2740193 after pos.:0  
 L:24914346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2768229 after pos.:0  
 L:24928086 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2769755 after pos.:0  
 L:25084278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2787109 after pos.:0  
 L:25222740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2802493 after pos.:0  
 L:25260258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2806661 after pos.:0  
 L:25269399 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2807676 after pos.:0  
 L:25280061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2808860 after pos.:0  
 L:25298729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2810933 after pos.:0  
 L:25491632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2832366 after pos.:0  
 L:25638694 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2848705 after pos.:0  
 L:25675614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2852806 after pos.:0  
 L:34731538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3859019 after pos.:0  
 L:34987333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3887440 after pos.:0  
 L:35126479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3902900 after pos.:0  
 L:35168038 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3907517 after pos.:0

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/709,577B

DATE: 09/09/2005

TIME: 22:21:22

Input Set : N:\DA\10709577B

Output Set: N:\CRF4\09092005\J709577B.raw

L:35207028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3911848 after pos.:0

L:35292980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3921397 after pos.:0